

PRIMERGY BX400 System Unit

System configurator and order-information guide

April 2013

Contents

Instructions
Configuration diagram
Configurator



BX400 System Units

II BX900 Server Blades for BX400

III BX900 Storage Blades for BX400

IV Connection Blade Overview

V Connection Blades Ethernet

VI Connection Blades Fibre Channel

VII Connection Blade InfiniBand

VIII Connection Blade SAS

Change report

PRIMERGY Server

Instructions

This document contains basic product and configuration information that will enable you to configure your system via System-Architect.

Only the tool "System-Arcitect" will ensure a fast and proper configuration of your PRIMERGY server or your complete PRIMERGY Rack system.

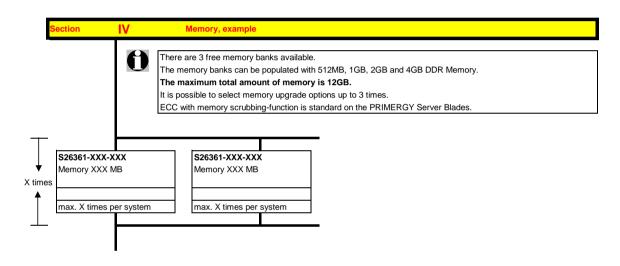
Please pay attention to the naming conventions:

BX400 S1 System unit 1st generation

You can configure your individual PRIMERGY server in order to adjust your specific requirements.

The System configurator is divided into several chapters that are identical to the current price list and PC-/ System-Architect.

Please follow the lines. If there is a junction, you can choose which way or component you would like to take. Go through the configurator by following the lines from the top to the bottom.



In one chapter you can only select as many components (here 3x) as the arrow indicates.



Please note that there are information symbols which indicate necessary information.



For further information see:

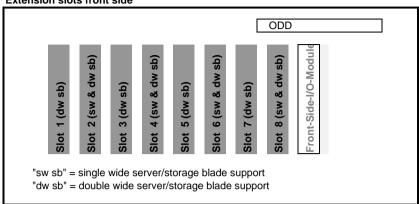
http://ts.fujitsu.com/products/standard_servers/index.html (internet)

https://partners.ts.fujitsu.com/com/order-supply/configurators/primergy_config/Pages/Currentconfigura (extranet)

Prices and availability see price list and PC-/ System-Architect Subject to change and errors excepted

Configuration diagram BX400 S1 System Unit

Extension slots front side



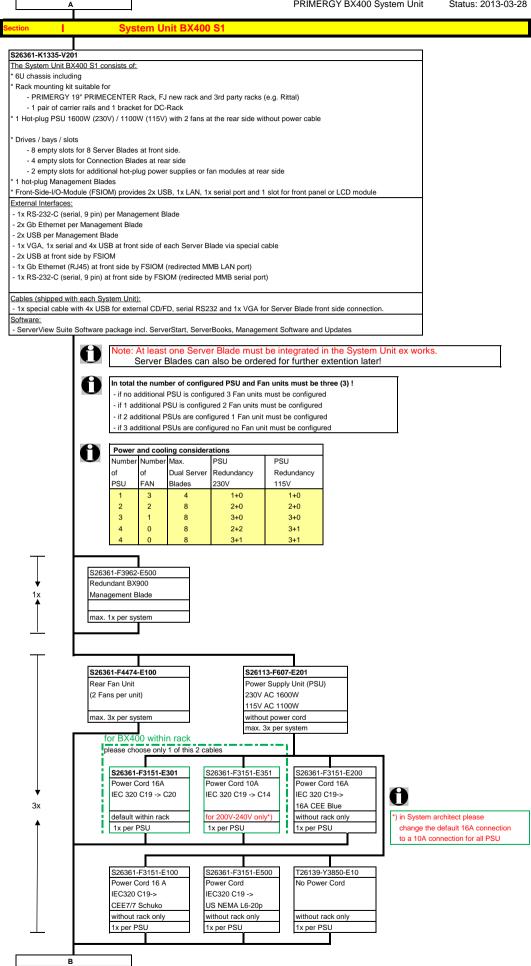
Connection Blades CB 1 CB 2 Fabric 1 / 2 CB 3 CB 4 Fabric 3 MMB 1 MMB 2

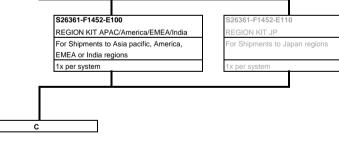
Key:

Included in basic unit

Option

PSU slots 2, 3 and 4 can also be equipped with fan modules. (see next page for details on power and cooling)

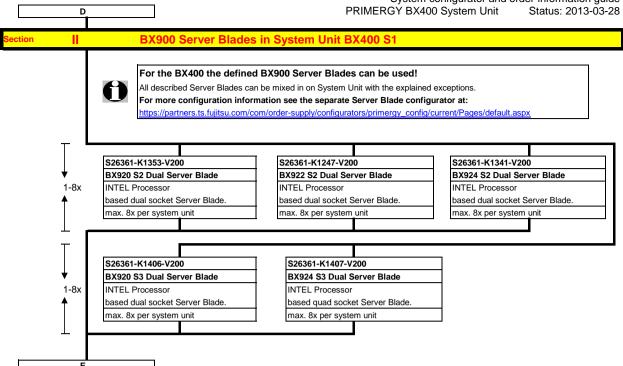


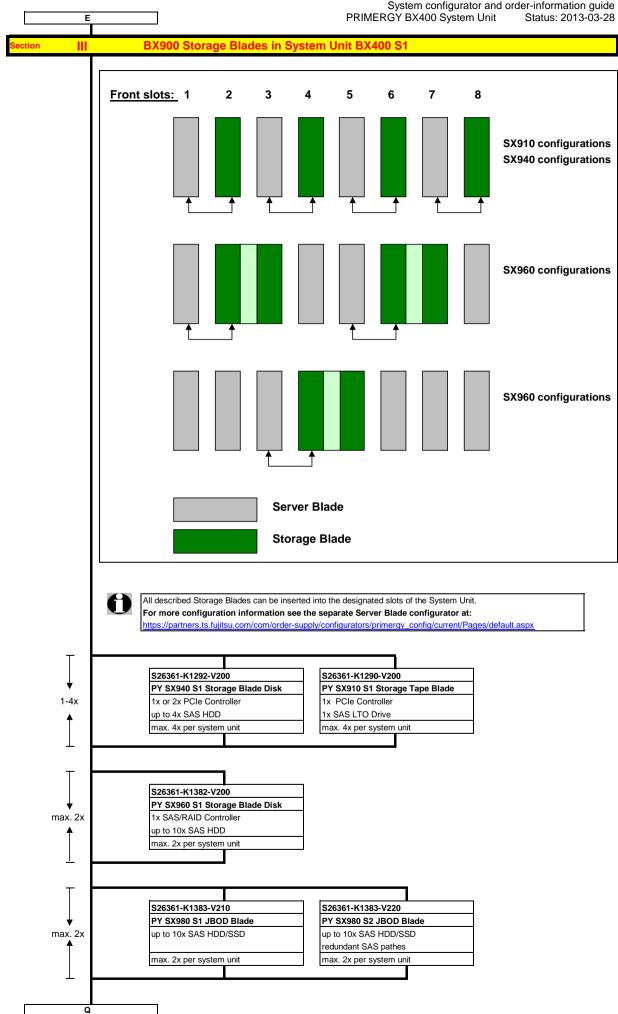


For more configuration information see the separate Server Blade configurator at:

tps://partners.ts.fujitsu.com/com/order-supply/configurators/primergy_config/current/Pages/default.aspx

Fujitsu Technology Solutions x86 PRIMERGY Server

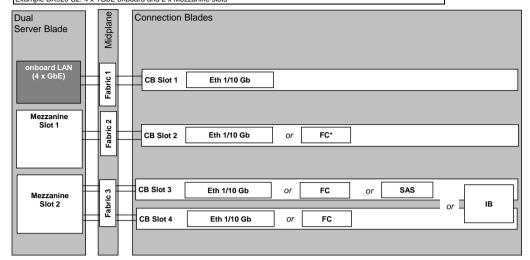




Connection Blade Overview



Each PRIMERGY BX9xx Server Blade comes with onboard Ethernet LAN channels and special connectors for the optional mezzanine cards. Example BX920 S2: 4 x 1GbE onboard and 2 x Mezzanine slots



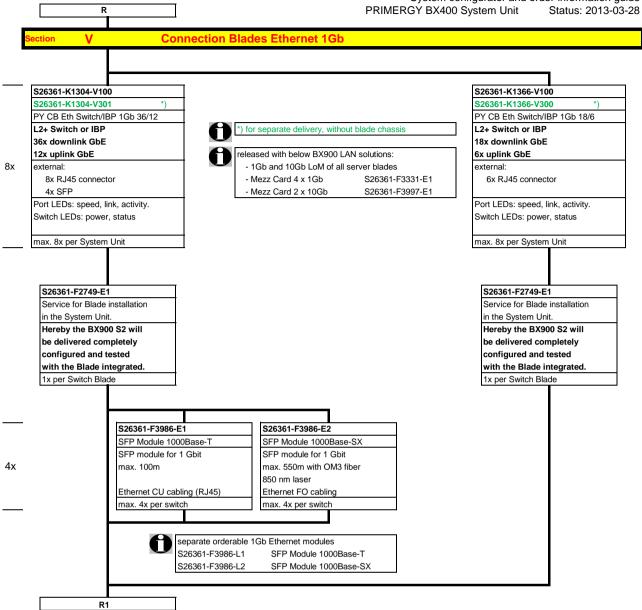
* not released for PY CB FC Pass Thru 8G 18/18

Connection Blades released for BX400 S1 System Unit :

Order number	Connection Blade Type	installable in	Downlink ports	Uplink ports
		CB Slot	(internal)	(external)
S26361-K1304-V100	PY CB Eth Switch/IBP 1Gb 36/12	1/2/3/4	36x 1Gb Eth	8x 1Gb Eth (RJ45)
				4x 1Gb SFP
S26361-K1304-V101	PY CB Eth Switch/IBP 1Gb 36/8+2	1/2/3/4	36x 1Gb Eth	8x 1Gb Eth (RJ45)
				2x 10Gb Eth SFP+
S26361-K1366-V100	PY CB Eth Switch/IBP 1Gb 18/6	1/2/3/4	18x 1Gb Eth	6x 1Gb (RJ45)
S26361-K1304-V200	PY CB Eth Switch/IBP 10Gb 18/8	1/2/3/4	18x 10Gb Eth	8x 10Gb Eth SFP+
S26361-K1429-V100	PY CB DCB Switch 10Gb 18/6 (Brocade)	1/2/3/4	18x 10Gb Eth	6x 10Gb Eth (SFP*)
	,			6x 8Gb FC (SFP+)
S26361-K1429-V200	PY CB DCB SW 10Gb 18/6/6 Enterprise (1/2/3/4	18x 10Gb Eth	6x 10Gb Eth (SFP*)
				6x 8Gb FC (SFP+)
S26361-K1440-V100	PY CB FEX B22F 10Gb 16/8 (Cisco)	1/2/3/4	16x 10Gb Eth	8x 10Gb Eth SFP+
S26361-K1440-V110	PY CB FEX B22F FET 10Gb 16/8 (Cisco)	1/2/3/4	16x 10Gb Eth	8x 10Gb Eth SFP+
S26361-K1365-V18	PY CB Eth Pass Thru 1/10Gb 18/18	1/2/3/4	18x 8Gb Eth	18x 1/10Gb Eth SFP+
S26361-K1305-V14	FC Switch 8Gb 18/8 14 Port (Brocade)	2/3/4	18x 8Gb FC	8x 8Gb SFP+
S26361-K1363-V18	PY CB FC Pass Thru 8G 18/18	3/4	18x 8Gb FC	8x 8Gb SFP+
S26361-K1305-V126	FC SW 8G 18/8 26 Perform (Brocade)	2/3/4	18x 8Gb FC	8x 8Gb SFP+
S26361-K1305-V26	FC SW 8G 18/8 26 Port (Brocade)	2/3/4	18x 8Gb FC	8x 8Gb SFP+
S26361-K1336-V200	PY CB IB Switch 40Gb 18/18	3/4	18x 40Gb IB	18x 40Gb IB (QSFP)
S26361-K1423-V200	PY CB IB Switch 56Gb 18/18	3/4	18x 56Gb IB	18x 56Gb IB (QSFP)
S26361-K1391-V300	PY CB SAS Switch 6Gb 18/6	3	18x 6Gb SAS	6x 6Gb SAS (SFF8088)

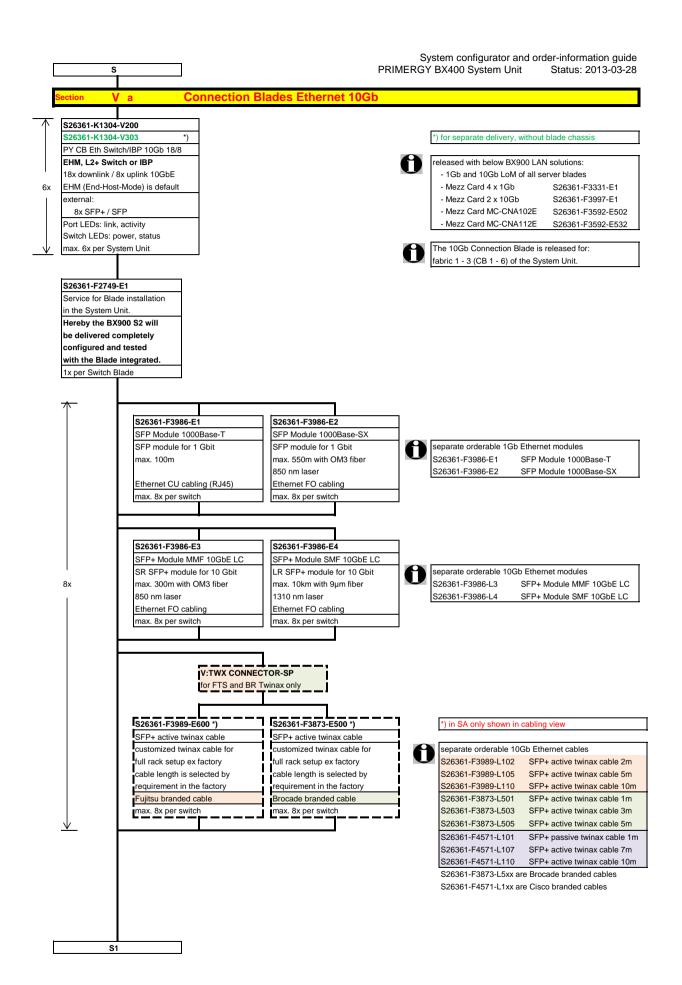


There is no Connection Blade included in the System Unit.

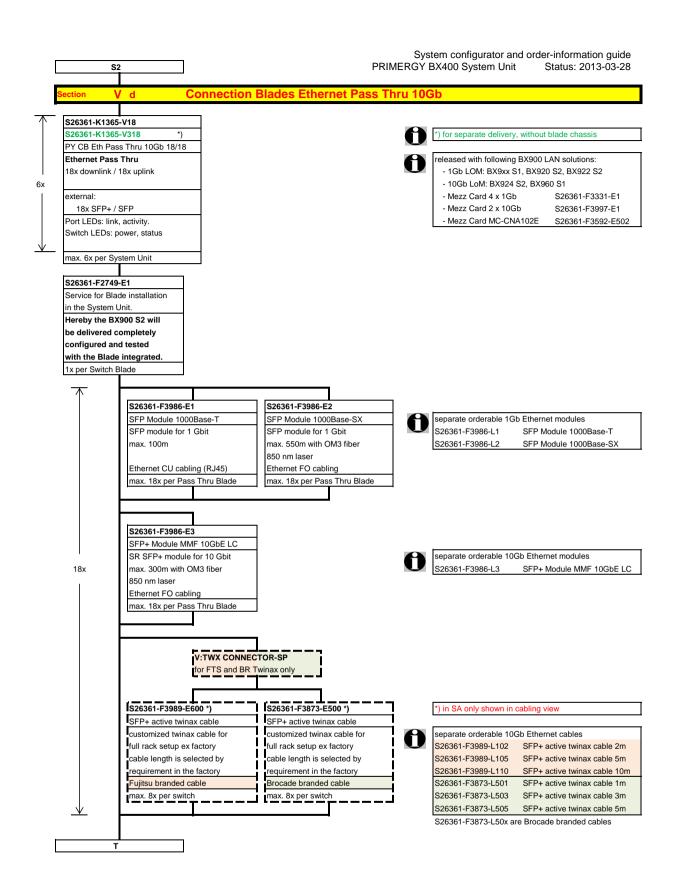


S

S26361-F4571-L1xx are Cisco branded cables

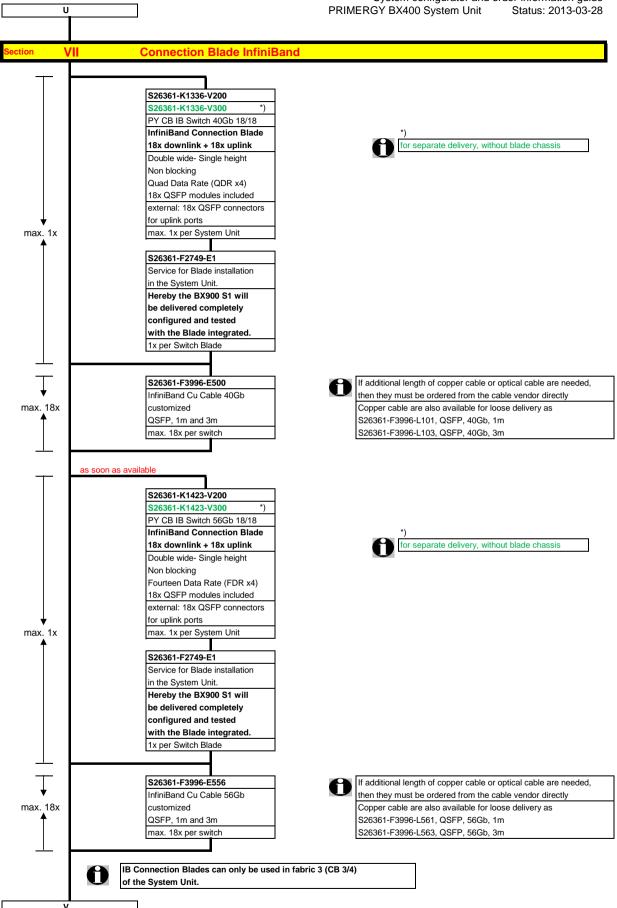


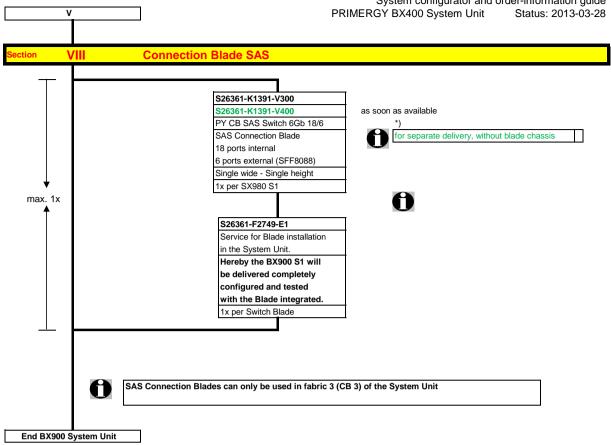
S2



FC Connection Blades can only be used in fabric 2 (CB 2) and 3 (CB 3/4) of the System Unit.

U





10 GbE Twinax Cabling

TWINAX-Cabling with virtual SFP+ modules

Virtual SFP+ modules	Used in	Supported cables	Comment
V:TWX CONNECTOR-BR	CB VDX 2730	S26361-F3873-E500	Brocade customized
(Brocade)	S26361-K1429-Vxxx	EBR800-TWX-1M-L	Brocade 1m
		EBR800-TWX-3M-L	Brocade 3m
	Ext. Switch Brocade 8000	EBR800-TWX-5M-L	Brocade 5m
	EBR800		
	Ext. Switch VDX 6720-60		
	S26361-K1452-V100		
	Ext. Switch VDX 6720 for DI-		
	Blocks		
	D:VDX6720-16-R-M		
V:TWX CONNECTOR CI	CB FEX B22F	S26361-F4571-E500	Cisco customized
(Cisco)	S26361-K1440-V100		
		S26361-F4571-L110	
V:TWX CONNECTOR PY	CB SB11	S26361-F3989-E600	FTS customized
(FTS)	S26361-K1304-V101 / V301	S26361-F3873-E500	Brocade customized
		EBR800-TWX-1M-L	Brocade 1m
	10GB LAN controller D2755	EBR800-TWX-3M-L	Brocade 3m
	S26361-F3629-E2 / E202 / E702	EBR800-TWX-5M-L	Brocade 5m
		S26361-F4571-E500	Cisco customized
	10Gb CNA OCe10102		
	S26361-F3592-E2 / E202		
V:TWX CONNECTOR SP	CB SBAX2	S26361-F3989-E600	FTS customized
	S26361-K1304-V200 / V300	S26361-F3873-E500	Brocade customized
		EBR800-TWX-1M-L	Brocade 1m
	CB Ethernet Pass Thru	EBR800-TWX-3M-L	Brocade 3m
	S26361-K1365-V18 / V318	EBR800-TWX-5M-L	Brocade 5m

Product number	Connector	Description
V:TWX CONNECTOR-BR	FC TWX 10G connector BR	Twinax Connector Brocade
V:TWX CONNECTOR CI	FC TWX 10G connector CI	Twinax Connector Cisco
V:TWX CONNECTOR PY	FC TWX 10G connector PY	Twinax Connector Primergy
V:TWX CONNECTOR SP	FC TWX 10G connector SBAX	Twinax Connector SBAX2 und PassThru

${\bf Rack-specified\ Twin ax-cable\ for\ graphical\ Cabling\ within\ the\ PRIMECENTER\ M1\ Rack:}$

S26361-F3873-E500	SFP+ activ Twinax Cable Brocade custom	2x FC TWX 10G connector BR
S26361-F3989-E600	SFP+ aktives Twinax Kabel kundenspez.	2x FC TWX 10G connector PY
S26361-F4571-E500	SFP+ passive Twinax Kabel Cisco custom	2x FC TWX 10G connector CI

Twinax-cable for graphical Cabling outside the PRIMECENTER M1 Rack (between racks):

EBR800-TWX-1M-L	SFP+ active Twinax cable BRCD 1m UPG	2x FC TWX 10G connector BR
EBR800-TWX-3M-L	SFP+ active Twinax cable BRCD 3m UPG	2x FC TWX 10G connector BR
EBR800-TWX-5M-L	SFP+ active Twinax cable BRCD 5m UPG	2x FC TWX 10G connector BR
S26361-F4571-L110	SFP+ active Twinax cable Cisco 10m	2x FC TWX 10G connector CI

In Addition the optional configurable Twinax-cable options (not for graphical cabling in systemarchitect usable!)

(to find under chapter "Hardware – Options" of the Blade system units BX900S2 and BX400S1)

S26361-F3873-L501

Brocade 1m

320301-L30/2-F301	biocade IIII
S26361-F3873-L503	Brocade 3m
S26361-F3873-L505	Brocade 5m
S26361-F4571-L101	Cisco 1m
S26361-F4571-L103	Cisco 3m
S26361-F4571-L105	Cisco 5m
S26361-F4571-L107	Cisco 7m
S26361-F3989-L102	FTS 2m
S26361-F3989-L105	FTS 5m
S26361-F3989-L110	FTS 10m

Change Report

Date	Order number	Changes
2012-12-01	10GbE Twinax Cabling	added sheet "Twinax cabling with virtual SFP+ modules
2012-07-17	S26361-F4571-E/Lxxx	Added SFP+ and Twinax cable for Cisco Nexus B22F
2012-07-17	S26361-K1440-V1x0/V3x0	Added 10GbE Cisco switches Cisco Nexus B22F
2012-06-29	S26361-F3873-E500/Lxxx	Added Twinax cable for DCB switch VDX 2730
2012-06-29	S26361-K1427-Vx00	Added 10GbE Brocade switches VDX 2730
14.06.2012		Added BX920 S3 and BX924 S3 Server Blade
28.03.2012	S26361-F3873-E108	Update of SFP Modul section
2012-01-30	S26361-F3641-E2	new Blue-ray Triple Writer added
2012-01-11	S26361-K1335-V200	basic unit removed due to VS65
22.12.2011	S26361-F3986-E4	added SFP+ Module SMF 10GbE LC
19.12.2011	S26361-F3989-L102	Info for Twinax Cable added
2011-09-29	S26113-F607-E201	PSU w/o power cable added
2011-09-29	S26361-K1335-V201	new basic unit due to regional kit and PSU w/o power cord
2011-01-31	S26361-K13xx-V3xx	new Connection Blades for loose delivery added
2011-01-28		Power cable added to PSU part list
2011-01-25		corrected power notation of PSUs
2011-01-12	S26361-K1365-V18	Ethernet Path trough added
2011-01-12	S26361-F3151-E3x1	Selection for power cord inserted
2010-11-01		First Release
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